Boost Boards Modifications

VBSO / VBIAS

VBSO Board Modifications
Pot Addr – 0x2F
ADC Addr – 0x29
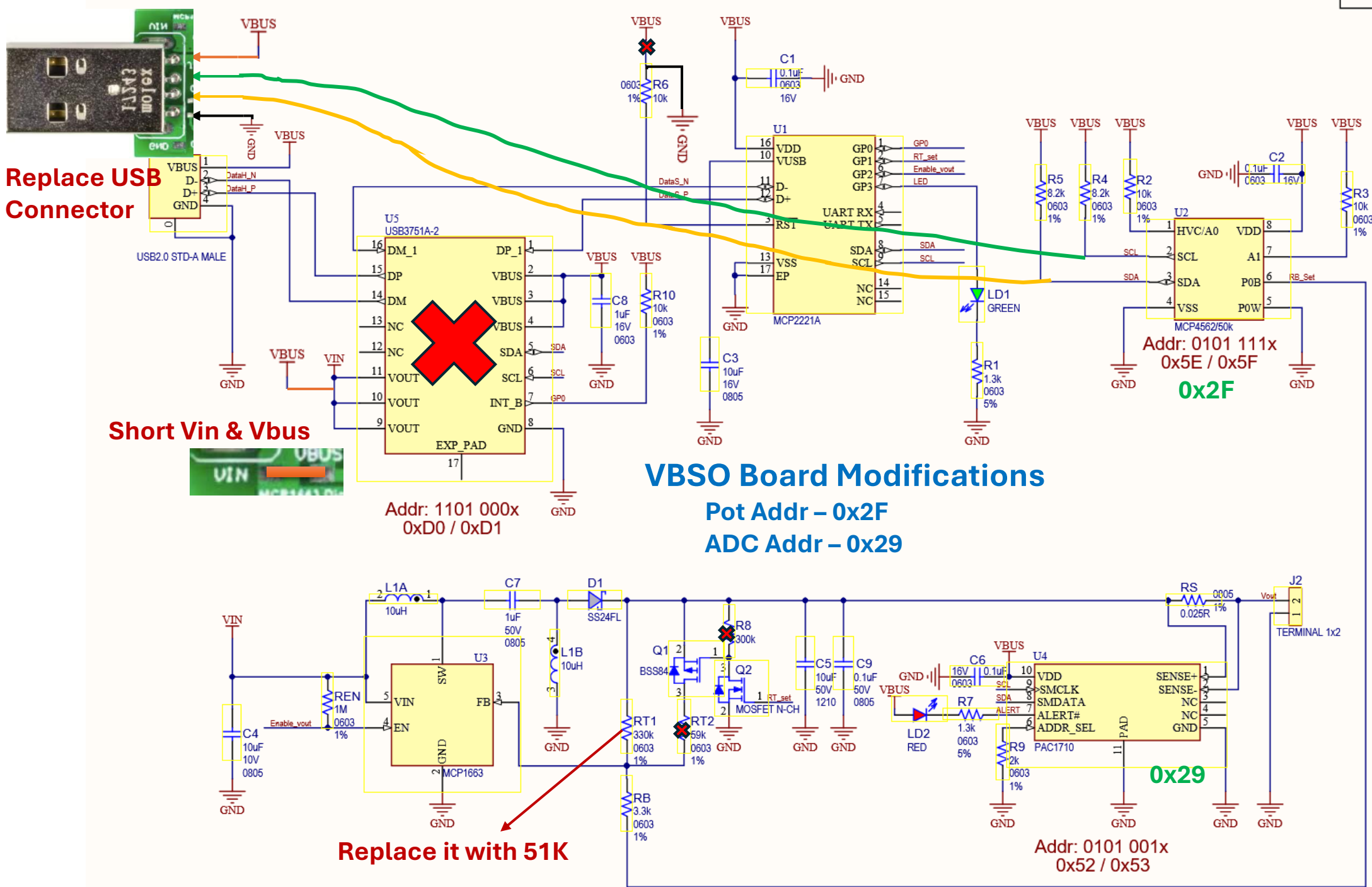
VBAIS Board Modifications
POT Addr – 0x2D
ADC Addr – 0x18
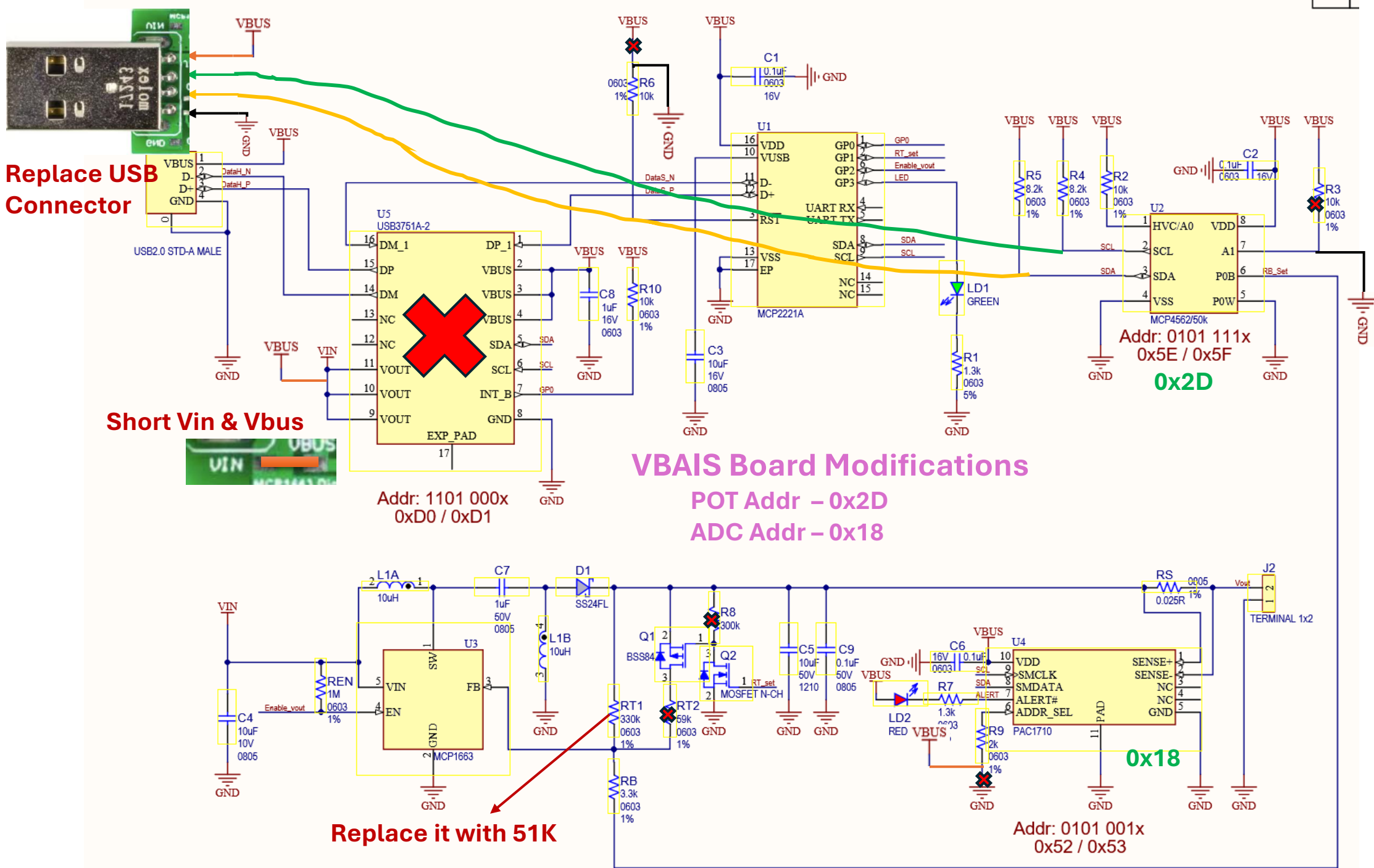
POT Value Setting for Boost

Sl.No	Salve Address VBSO / VBAIS	Register	Data	Comment
01	0x2F / 2D	0x02	0x46	Default code to set 5V (do not try to go above 0x50 which will reduce boost voltage less then 5V, decrease value to increase the boost Voltage)
02	0x2F / 2D	0x20	0x46	Burn a default value (voltage will be set default)

Read ADC Value

Sl.No	SalveAddress	Register	Data	Comment
01	0x29 / 0x18	0x0B	0x5C	Configure ADC
02	0x29 / 0x18	0x0D	Vsense_LSB	Read lsb data
03	0x29 / 0x18	0x11	Vsense_MSB	Read msb data

Adc data conversion:

```
Vsense = ((Vsense_MSB << 8 ) | Vsense_LSB) >> 5  #ignore Last 5Bits of the LSB data
FSV    = (40 - 40/2047)
Vbus   = FSVxVsense / 2047
```